

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P888165

Luminaire Tested: **DPT5-6FO36-61V60-A-XX-UDD\_3500K**

Issue Date: 10/24/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P888165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DEFINE LENGTH SCALING TOOL)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/24/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: DPT5-6FO36-61V60-A-XX-UDD\_3500K  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

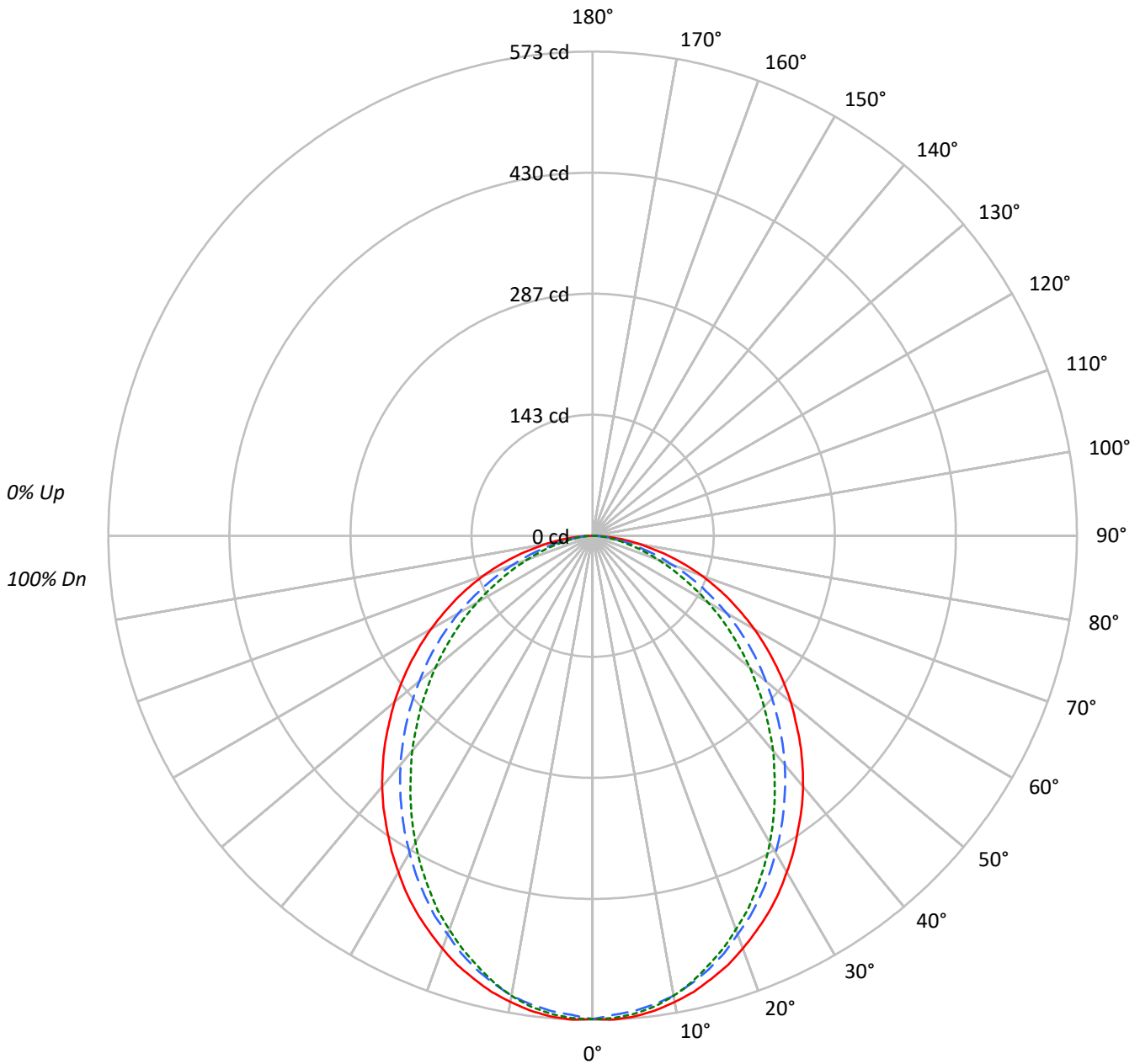
Lumens per Lamp: N/A  
Luminaire Lumens: 1351.0 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61																			
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36																			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33																			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29																			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5439	5439	5439
5°	5451	5389	5421
10°	5410	5339	5339
15°	5345	5230	5188
20°	5262	5079	5018
25°	5166	4931	4822
30°	5046	4757	4606
35°	4924	4578	4362
40°	4810	4391	4124
45°	4670	4182	3863
50°	4530	3955	3591
55°	4369	3739	3303
60°	4206	3475	2990
65°	4015	3169	2633
70°	3796	2783	2269
75°	3491	2348	1889
80°	3078	1846	1588
85°	2586	1517	1419



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.8	4.0
10°-20°	150.4	11.1
20°-30°	218.1	16.1
30°-40°	248.5	18.4
40°-50°	242.2	17.9
50°-60°	203.8	15.1
60°-70°	142.8	10.6
70°-80°	73.2	5.4
80°-90°	18.3	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	422.3	31.3
0°-40°	670.8	49.6
0°-60°	1116.7	82.7
0°-90°	1351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1351.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	571	569	564	569	568	54
15°	543	540	531	531	527	153
25°	492	486	470	464	460	227
35°	424	414	394	382	376	266
45°	347	335	311	294	287	268
55°	264	250	226	206	199	236
65°	178	164	141	124	117	177
75°	95	82	64	54	51	100
85°	24	16	14	13	13	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	571.9	571.9	571.9	571.9	571.9
2.5°	573.1	571.9	567.5	571.9	571.4
5°	571.0	569.3	564.5	568.7	567.8
7.5°	566.6	564.9	559.3	562.7	561.9
10°	560.2	558.9	552.8	554.1	552.8
12.5°	552.8	551.0	542.4	543.3	541.2
15°	542.9	540.3	531.2	530.8	526.9
17.5°	532.5	528.7	517.8	515.7	512.6
20°	519.9	515.7	501.8	499.7	495.8
22.5°	506.2	501.8	487.3	482.4	479.3
25°	492.3	485.8	469.9	464.3	459.5
27.5°	476.8	469.0	452.2	444.9	440.1
30°	459.5	451.4	433.2	423.3	419.4
32.5°	442.6	432.8	414.2	403.0	397.8
35°	424.1	413.8	394.3	381.8	375.7
37.5°	406.4	393.8	374.0	359.4	353.2
40°	387.4	374.5	353.7	337.3	332.2
42.5°	367.5	354.1	332.5	317.0	308.8
45°	347.2	334.8	310.9	293.7	287.2
47.5°	326.0	313.2	289.3	271.7	264.3
50°	306.2	291.9	267.3	249.2	242.7
52.5°	284.6	270.0	247.0	227.1	220.6
55°	263.5	249.6	225.5	206.1	199.2
57.5°	241.9	227.1	203.9	184.8	178.8
60°	221.1	206.1	182.7	163.7	157.2
62.5°	199.2	184.8	161.1	143.8	137.3
65°	178.4	163.7	140.8	123.5	117.0
67.5°	157.6	143.0	120.9	104.5	99.4
70°	136.5	121.8	100.1	86.8	81.6
72.5°	115.8	101.5	81.6	69.5	66.6
75°	95.0	82.0	63.9	54.5	51.4
77.5°	73.8	63.4	48.3	41.1	38.5
80°	56.2	45.8	33.7	29.8	29.0
82.5°	38.9	29.8	22.5	21.1	20.7
85°	23.7	15.9	13.9	13.4	13.0
87.5°	10.0	6.9	6.5	6.5	6.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)